Outcomes of Children Born Extremely Preterm  
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Key Takeaways

- Survival rates of extremely preterm infants have increased over the last 2 decades
- Neurodevelopmental impairment is a major morbidity for extremely preterm infants
- Rates of major neurosensory disability have not improved; these rates are also not increasing
- Significance of long-term functional and quality-of-life outcomes
- Outcomes important to families and better preparing families
- Academic performance is challenging for children born extremely preterm
- Variation or instability is prevalent across categories between the 18–22 month assessment and the 6–7 year assessment
- Sociodemographic factors and other disparities found to be associated with nonreferral and getting to the first follow-up visit
- Importance of earlier intervention in the NICU, including family-integrated care intervention

Supplemental Questions

Successful completion of this activity is achieved by individually reflecting on, or discussing as a group, the following questions and their implications.

1. How do you measure neurodevelopmental outcomes in very preterm infants?
   See page 4 of the transcript.

2. How do you determine cognitive assessment on extremely preterm infants?
   See page 5 of the transcript.

3. How do you implement early interventions with motor functional challenges?
   See page 13 of the transcript.
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4. How do you interpret long-term neurodevelopmental impairment (NDI) outcome issues from available study data?

   See page 5 of the transcript.

5. How have long-term NDI studies helped you in your practice when speaking with parents and caregivers?

6. What are some challenges in your practice when preparing parents and caregivers for potential rehospitalization, as well as medical and special services utilization?

   See page 10–11 of the transcript.

7. How do you determine the most important outcomes for the family with children who were born extremely preterm?

   See page 14 of the transcript.

8. What interventions have you implemented to meet the needs of your preterm infant patients?

9. What can you do better in the NICU with early intervention to address NDI?

   See page 13 of the transcript.

10. How do you think about earlier interventions as a continuum from the NICU, through transition-to-home, and longer follow-up?

   See page 13 of the transcript.

11. What do you do in your clinical practice to improve the pathway for referrals and first visits?

   See page 12–13 of the transcript.

Suggested Reading and References


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